

FRONT ELEVATION

SIDE ELEVATION

INSTALLATION INSTRUCTIONS FOR LAD-SAF® SYSTEM (SPRING LOADED BOTTOM BRACKET) FOR RUNG TYPE LADDER 1 - Mount top bracket as shown on ladder.
 2 - Lay out cable on ground by rolling coil like a wheel.
 Do not pull cable out of coil. Insert one end of BUSHING CARRIER cable through hole in pipe and through shock absorber. CLAMP 3 - Slide carrier clamp with machine bushing onto cable allowing end of cable an project 2" through carrier clamp.

4 - Pull cable with carrier clamp down to firmly seat carrier clamp in shock absorber. Pull shock absorber into pipe with cable guard projecting 3/4" through SHOCK into pipe with cable guard projection hole in bottom of pipe.

5 - Install cap firmly on top of pipe.

6 - Install intermediate cable guides at Clip cable into intermediate cable growth capture of pipe.

7 - Install bottom bracket on ladder as 6 - Install intermediate cable guides at 25' spacing.
Clip cable into intermediate cable guides. 7 - Install bottom bracket on ladder as shown. 8 - Attach cable to tension rod and extend rod through hole in bracket. Allow 9" - 10" to extend below bracket for spring. Also allow 4" - 5" for take-up. - Assemble spring, washers, and nuts as shown. TOP BRACKET 11 - Secure assembly with second net (jam nut). TU GUIDE \_\_\_\_\_\_ BOTTON The following recommendations apply to maintenance 1 - All fixed ladders, cages, ladder safety equipment, and platforms must be maintained in a safe condition. Inspections for rust, corrosion, and deterioration should

be made at least annually with more frequent inspections to be made as determined by use and exposure If grounding protection has been provided, then the ground connection (or connections) to the leader should. - Users should report any defects or deteriorations to

their supervisors promptly.
4 - Records should be maintained of inspections and main-

5 - When deemed advisable, caution signs should be provided in accordance with American National Standards Specifi-cations for Accident Prevention Signs, 235.1-1972.

DETAIL "A-A"

For Take Up

OPERATING INSTRUCTIONS MODEL LIB FLEXIBLE CARRIER SLEEVE

AVVERTIMENTO/AVERTIA/ADVERTENCIA Manufacturer's instructions must be followed regarding proper system us and maintenance of this product. Alterations or misuse of product or failure to follow instructions

may result in serious injury or death. Red Wing, MN

USE - I Applications

The model 1,38 Flexible Carrier Sleeve must be used in conjunction with approved DBI/SALA Ladder Safety System, including the top and bottom mounting brackets, cable guides, cable, belt or harness. The carrier sless intended to arrest personnel (not material) if they should slip or (a) while climbing a fixed ladder.

(Note: the installer and user shall make ours the ladder meets all applicable local, State, Federal and National Consensus Standards 1.e. AMERICAN NATIONAL STANDARD ANSI A14.3-1984.)

The model L38 Sieeve shall be directly connected to an approved body belt or harness using the SH107 (or equal) safety hook. (See Figure 1.) The use of other connection material (i.e. short lanyards, chain, links, clevi etc.) shall not be used to connect the L38 Sleeve to a body belt or harness.

NOTE: American National Standard (ANSI) A14.3-1984 states that the maximum length of connection between the carrier and the attachment point shall not exceed nine (9) inches.

\*\*\* | M P O R T A N T\*\*\*

Alterations or misuse of this product or failure to follow instructions may result in serious injury or death.

USE - 11 Operating Instructions/Requirements for Use

Disassemble sleeve by depressing center button and removing both

detent pins from sleeve body.

Step 2
Inspect all of sleeve, connection book and belt or barness for wear or damage. The inner wedge and bandle shall be accurely fastened and operate freely. All fasteners and springs shall be inspected for wear or damage. Detent pins shall open and close freely. Do not use carrier sleeve if inspection indicates any wear or damage. See separate inspection instructions (Section (II)).

Step 3 Engage sleeve body onto cable and is upper detent pin. Make certain pin securely locked. Install wedge/hans assembly into sleeve body. The open on the wedge shall be fitted aro installed detent pin as shown.



Step 5 To operate carrier sleeve, attach assembly D-ring on approved body belt or harness.
To do so, open up safety hook by turning keeper barrel and pressing in on spring loaded keeper. The safety hook shall join the carrier sleeve and body belt or harnest as shown. Make certain safety hook keeper is locked by turning barrel ful

Step 6 To ascend, climb in normal faction climber. The cable is snapped out of the cable quides as the encountered. Reconnect cable after passing each cable must

bescent is accomplished by simply climbing down tadder smoothly in a normal position. Allow sleeve to "lead" the climber flown. Climbing down "out of position" (for example, leaning back excessively) will cause the sleeve to lock on the cable. If sleeve should lock, simply move upward slightly to release carrier sleeve and then continue to descend in normal position.

When climbing is completed, remove sleeve from cable by depressing center buttons and removing the detent pins. Carrier assembly can now be removed from cable and properly stored.

Make certain all applicable hazards are addressed properly to provide climber safety. Hazardous environments include, but are not limited to, live power lines, excessive heat or flames, explosive gases, and physical obstructions; in addition to climber's ability, including

CARE - 111 Inspection

A visual inspection of the operating condition of the carrier sleeve is required before each use. Detailed inspections should be conducted on a schedule as determined by the user, based upon prevailing conditions, with a minimum of two detailed inspections per year. Detailed inspections must be recorded on the inspection log provided.

Detent Pins - Release button shall operate smoothly and spring back when released. Engagement balls shall protrude out when button is released. Inspect for normal wear.

Handle & Wedge Assembly - All fasteners shall be secure and tightly held in place. Operation of handle/wedge assembly shall be smooth and secure. Spring must be attached securely and of sufficient strength to pull handle down.

Sleeve Body - Check for wear on inside of body where cable rides.
Button roller shall be in place. Check for deformation

Note: Remove all unsatisfactory parts from service immediately. Notify

IV Maintenance Normal cleaning/degreasing should be done as required. All other maintena and servicing must be carried out only by authorized service personnel. Contact factory for additional information. Refer to form LS-I8-I0 for proper installation, use, care and maintenance for the brackety, cable, and cable guides. Refer to form FBL for proper use, care and maintenance for the belts or harnesses.

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PREPARED FOR

DESCRIPTION LADDER WITH SAFETY BELT HARNESS DETAILS

SCALE DRAWN BY DATE REVISED NONE M.D. H. 7-19-88

AE- 889470